

Date: Thu, 25 Nov 93 02:05:07 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1384
To: Info-Hams

Info-Hams Digest Thu, 25 Nov 93 Volume 93 : Issue 1384

Today's Topics:

210XL Bearcat Scanner to read 1012Mhz?
Daily Summary of Solar Geophysical Activity for 22 November
Emergency use of modified HT
FBB v5.15
How useful are DSP units in noisy loca
IS there any FAQ ?????
New "pizza" policy?
rec.radio.amateur.misc ARCHIVES ??
rec.radio.amateur.packet
Those triangles on the AM dial.....
Use of HT for Marine & GMRS

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 23 Nov 93 12:39:57 CST
From: timbuk.cray.com!hemlock.cray.com!mahogany30!n3022@uunet.uu.net
Subject: 210XL Bearcat Scanner to read 1012Mhz?
To: info-hams@ucsd.edu

I am posting on behalf of my father, a retired
news photographer who was out there in the action
almost every day. Since retirement, most of the
"action" he has experienced has been through
shortwave (and scanner) monitoring. He has listened to
the local police dept for years on 154Mhz. Now the
city hall has purchased 900Mhz equipment and have left

Rather than buying a new scanner, my father is wondering if there is a converter that will double the upper-end frequency capability of his 210XL Bearcat Scanner from 512Mhz to 1012Mhz. Has anyone run across one?

Jim
n3022@cray.com

22 NOVEMBER, 1993

(Based In-Part On SESC Observational Data)

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!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 326, 11/22/93
10.7 FLUX=099.3  90-AVG=094          SSN=075          BKI=2110 1211  BAI=003
BGND-XRAY=B1.4    FLU1=5.7E+05  FLU10=1.2E+04  PKI=1211 1222  PAI=005
    BOU-DEV=010,009,008,004,008,010,008,009  DEV-AVG=008 NT      SWF=00:000
    XRAY-MAX= C1.0    @ 1035UT    XRAY-MIN= B1.2    @ 1547UT    XRAY-AVG= B1.8
NEUTN-MAX= +002%    @ 0955UT    NEUTN-MIN= -002%    @ 1310UT    NEUTN-AVG= -0.0%
    PCA-MAX= +0.1DB @ 1155UT    PCA-MIN= -0.2DB @ 2125UT    PCA-AVG= +0.0DB
BOUTF-MAX=55358NT @ 2359UT    BOUTF-MIN=55335NT @ 1923UT    BOUTF-AVG=55352NT
GOES7-MAX=P:+000NT@ 0000UT    GOES7-MIN=N:+000NT@ 0000UT    G7-AVG=+079,+000,+000
GOES6-MAX=P:+127NT@ 1749UT    GOES6-MIN=N:-060NT@ 1053UT    G6-AVG=+098,+017,-034
    FLUXFCST=STD:099,099,096;SESC:099,099,096  BAI/PAI-FCST=020,010,010/025,015,010
    KFCST=4455 5333 3334 4222  27DAY-AP=014,041  27DAY-KP=2132 2434 4466 6433
    WARNINGS=*SWF

```

ALERTS=
!!END-DATA!!

NOTE: The Effective Sunspot Number for 21 NOV 93 was 31.0.
The Full Kp Indices for 21 NOV 93 are: 2- 2- 1+ 2- 2- 2- 2- 1+

SYNOPSIS OF ACTIVITY -----

Solar activity was low due to a single C1 flare at 22/1034Z from an unknown source. The delta configuration in Region 7618 (N07W59) faded. Region 7622 (N13E17) showed itself as a small D-class group. Region 7620 (N05E17) stabilized as a small D-class group.

Solar activity forecast: solar activity should be mostly low. An isolated M-class flare remains possible from Region 7618 and to a lesser degree from Region 7622.

STD: Moderate Ca XV emissions and strong Fe XIV and Fe X emissions were associated with the passage of Region 7622 onto the disk over the weekend. Associated coronal plots and maps are available through anonymous ftp at: ftp.uleth.ca in the directories "pub/solar/Corona/Scans" and "pub/solar/Corona/Maps". A full-disk Yohkoh x-ray image has been appended to this report, taken at approximately 03:10 UTC on 22 November.

The geomagnetic field remained quiet.

Geophysical activity forecast: the geomagnetic field should become generally active on 23 Nov due to a favorably positioned coronal hole. This disturbance is expected to continue into the early hours of 24 Nov. Generally unsettled conditions are forecast for the remainder of 24 Nov and all of 25 Nov.

Event probabilities 23 nov-25 nov

Class M	25/25/25
Class X	05/05/05
Proton	05/05/05
PCAF	Green

Geomagnetic activity probabilities 23 nov-25 nov

A. Middle Latitudes	
Active	35/25/20

Minor Storm	20/15/10
Major-Severe Storm	10/05/01

B. High Latitudes	
Active	40/35/30
Minor Storm	20/20/10
Major-Severe Storm	10/05/01

HF propagation conditions were normal over all regions.
 Minor signal degradation is expected over transpolar and
 transauroral paths over the next 24 hours. Conditions should
 return to near-normal by 25 November.

COPIES OF JOINT USAF/NOAA SESC SOLAR GEOPHYSICAL REPORTS

REGIONS WITH SUNSPOTS. LOCATIONS VALID AT 22/2400Z NOVEMBER

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
7618	N07W58	339	0350	DAI	07	026	BETA	
7620	N05E16	265	0070	DSO	07	014	BETA	
7622	N13E59	222	0060	DAO	08	005	BETA	
7621	S09E22	259					PLAGE	

REGIONS DUE TO RETURN 23 NOVEMBER TO 25 NOVEMBER

NMBR	LAT	LO
7613	S12	155

LISTING OF SOLAR ENERGETIC EVENTS FOR 22 NOVEMBER, 1993

BEGIN	MAX	END	RGN	LOC	XRAY	OP	245MHZ	10CM	SWEEP
2009	2009	2010							620

POSSIBLE CORONAL MASS EJECTION EVENTS FOR 22 NOVEMBER, 1993

BEGIN	MAX	END	LOCATION	TYPE	SIZE	DUR	II	IV
22/2321	2333	23/0004		LDE	B3.7	43		

INFERRED CORONAL HOLES. LOCATIONS VALID AT 22/2400Z

ISOLATED HOLES AND POLAR EXTENSIONS								
EAST	SOUTH	WEST	NORTH	CAR	TYPE	POL	AREA	OBSN
NO DATA AVAILABLE FOR ANALYSIS								

SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	2695 MHz	8800 MHz	15.4 GHz
21 Nov:	1028	1031	1041	B2.5						
	1047	1103	1125	B8.2						
	2058	2107	2114	B6.4						
	2202	2212	2224	B3.6	SF	7620	N02E39			
	2340	2347	2357	B3.5						

REGION FLARE STATISTICS FOR THE PREVIOUS UTC DAY

	C	M	X	S	1	2	3	4	Total	(%)
Region 7620:	0	0	0	1	0	0	0	0	001	(20.0)
Uncorrelated:	0	0	0	0	0	0	0	0	004	(80.0)

Total Events: 005 optical and x-ray.

EVENTS WITH SWEEPS AND/OR OPTICAL PHENOMENA FOR THE LAST UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	Sweeps/Optical Observations
NO EVENTS OBSERVED.								

NOTES:

All times are in Universal Time (UT). Characters preceding begin, max, and end times are defined as: B = Before, U = Uncertain, A = After. All times associated with x-ray flares (ex. flares which produce associated x-ray bursts) refer to the begin, max, and end times of the x-rays. Flares which are not associated with x-ray signatures use the optical observations to determine the begin, max, and end times.

Acronyms used to identify sweeps and optical phenomena include:

- II = Type II Sweep Frequency Event
- III = Type III Sweep
- IV = Type IV Sweep
- V = Type V Sweep
- Continuum = Continuum Radio Event
- Loop = Loop Prominence System,
- Spray = Limb Spray,
- Surge = Bright Limb Surge,

EPL = Eruptive Prominence on the Limb.

SPECIAL INSERT: CURRENT X-RAY EMISSIONS FROM THE JAPANESE YOHKOH SPACECRAFT

22 November 1993, 03:10 UTC

North



South

KEY: East and west limbs are to the left and right respectively. Emission strength, from minimum to maximum are coded in the following way:

[space] . , : ; - + | ! 1 2 3 4 * # @

Units used are arbitrary, for illustrative purposes. Get "showasc.zip" from "pub/solar/Software" at the anonymous FTP site: xi.uleth.ca (IP # 142.66.3.29) to view these images on VGA screens.

** End of Daily Report **

Date: Tue, 23 Nov 1993 20:18:41 GMT
From: news.Hawaii.Edu!uhunix3.uhcc.Hawaii.Edu!jherman@ames.arpa
Subject: Emergency use of modified HT
To: info-hams@ucsd.edu

In article <1993Nov23.170234.7572@newsgate.sps.mot.com> Jim Jaskie
<jim_jaskie@tempeqm.sps.mot.com> writes:

>
>I suppose I expect a national organization that represents the hobby in
>government affairs to occasionally make a stink or a comment when things
>show indications of going in a bad direction. I agree that the fellow
>involved with the Sheriff's Department needs a lawyer and a national
>organization (ARRL) can't replace that. However, the ARRL can contact
>the Sheriff and express their opinion on the use of emergency
>transmissions. They can contact the FCC and express their opinions.
>
>History is nothing but a pack of tricks that we play upon the dead.
>- Voltaire

I highly doubt the SO is going to care what the ARRL thinks. Reading the posts about this topic I didn't observe that the problem was between the ham and the SO; the friction is between the ham and the FCC. The ham was given the choice to hand over his HT to the local RACES group or to receive the NAL; if he had chose he could have appeared before the FCC to appeal. But again, this is between him and the FCC. If the ARRL were to get involved in defending hams to the FCC your membership dues would be 10X what they currently are. {There was an article from the ARRL many months ago discussing this very topic - quite a bit of their budget goes for legal defense as I recall - someone please amplify this.}

Now, it was asked if the ARRL ever does anything useful and I suggested one study the history of ham radio - that means from day one up through yesterday. No one would have the time to list everything the ARRL has done for our hobby, so you'll have to look for yourself.

This is not a new hobby. What has occurred before us has set the stage for where we are today. But I realize that a young ham of today would think [s]he has nothing to gain from doing a bit of historical

reading; much easier to tap on one's keyboard and complain.

``Those who choose not to learn from history are destined to repeat the mistakes of previous generations'' or something like that.

Jeff NH6IL (a 39-year-old O.F.)

Date: 21 Nov 93 12:06:30 GMT
From: gatech!howland.reston.ans.net!pipex!demon!cdc.demon.co.uk!
det@rutgers.rutgers.edu
Subject: FBB v5.15
To: info-hams@ucsd.edu

someone was asking about FBB versions. FBB v5.15 has been uploaded to ftp.demon.co.uk by myself. Filename is FBB515.ARJ

Regard Dave G6DKB @GB7HAS.#38.GBR.EU

--
+-----+
| David Twist Post Design Services Hardware Support |
| Computing Devices Company Ltd, Castleham Road |
| St. Leonards On Sea, East Sussex, UK TN38 9NJ |
| Tel: 44-(0)424-853481 Telex: 95568 Fax: 44-(0)424-851520 |
+-----+

Date: Fri, 19 Nov 1993 13:05:55 GMT
From: mdisea!mothost!lmpsbbs!news@uunet.uu.net
Subject: How useful are DSP units in noisy loca
To: info-hams@ucsd.edu

In article 23136@worldbank.org, dearnshaw@worldbank.org (Darrell Earnshaw) writes:
{Dave,
} Unfortunately, a lot of the radio communication that we deal with are pile-ups
{(because of our call: 4U1WB), and for this, the unit is virtually useless.
}
} Having said this... Most of the posts on this newsgroup that refer to the
} NIR-10 don't give it a good write up. I haven't any experience with other
} units, but the Timestep seems to be favoured among other members of the
} newsgroup.
}
} Good Luck, Darrell (NR3Y)

I know two people in the area who have NIR-10's and they love them. In one case the fellow who bought his did so because he had line noise that was S9. he can now copy signals that are normally unreadable.

As far as pile-ups go, nothing is going to help that, the human brain is still the best filter. Some types of noise will fool the unit.

The noise has to display some non-randomness to it so the unit can lock on and "filter" it out. I put filter in quote marks because the DSP unit gets rid of the noise by a mathematical process of inversion.

Good luck,

Bruce, WB4YUC

Date: 22 Nov 93 03:14:21 GMT
From: nntp.ucsb.edu!mustang.mst6.lanl.gov!nntp-server.caltech.edu!
elroy.jpl.nasa.gov!swrinde!emory!nntp.msstate.edu!Ra.MsState.Edu!
ks1@network.ucsd.edu
Subject: IS there any FAQ ?????
To: info-hams@ucsd.edu

Well all this stuff sounds very interesting. I have a lot of questions.
Is there a faq ? Or any document that would explain some basic stuff to
me ???

Shahzad
shahzad@isis.msstate.edu

Date: 25 Nov 93 01:28:01 GMT
From: ogicse!uwm.edu!vixen.cso.uiuc.edu!sdd.hp.com!col.hp.com!srngenprp!
mikew@network.ucsd.edu
Subject: New "pizza" policy?
To: info-hams@ucsd.edu

David Van Nuys (vannuysd@sonoma.edu) wrote:
: Can anyone tell me where I can get the new, more relaxed policy on using
: autopatch for ordering pizzas etc?

Hi, David!

Here's the scoop:

From: bote@access.digex.net (John Boteler)
Newsgroups: rec.radio.amateur.policy,rec.radio.amateur.misc
Subject: Order pizza on your autopatch now
Date: 18 Jul 1993 02:39:42 -0400

15 July 1993

Action in Docket Case PR Docket 92-136

"The Commission has amended the amateur service rules in order to allow amateur operators more flexibility to provide communications for public service projects as well as to enhance the value of the amateur service in satisfying personal communications needs."

Among the types of communications no longer restricted by FCC rules and regulations are: collecting data for the National Weather Service (aren't we doing this already?!), facilitating events such as races and parades (ditto), and making appointments and *ordering food*. This is not a drill, it actually says ordering food is no longer restricted.

Date: 22 Nov 1993 03:24:31 GMT
From: nnntp.ucsb.edu!mustang.mst6.lanl.gov!nnntp-server.caltech.edu!
elroy.jpl.nasa.gov!swrinde!gatech!mailer.acns.fsu.edu!freenet.scri.fsu.edu!
twright@network.ucsd.edu
Subject: rec.radio.amateur.misc ARCHIVES ??
To: info-hams@ucsd.edu

Are the rec.radio.amateur.misc post saved somewhere that is FTP able
What I am looking for is the post about Gateways I want a list of
all the gateways. I already belong to the BBS.ARASMITH bbs but my
Inquiry is to help another ham set his bbs up to access the internet.

For Buck Duley KA4DRZ

de

Tim Wright KD4QVM

Please reply to the following address:

T.Wright@msuacad.morehead-st.edu

--

Date: 23 Nov 1993 09:04:13 -0600
From: news.cerf.net!pagesat!olivea!sgigate.sgi.com!sgiblab!swrinde!gatech!concert!
corpgate!crchh327.bnr.ca!kharker@network.ucsd.edu
Subject: rec.radio.amateur.packet
To: info-hams@ucsd.edu

5522 CW stinks [70] Derek Wills In
article <11221993.154050@mala.cam.org>, ranfry@mala.cam.org (Ranfry) writes:
|>
|> Just wondering, did something happen to
|> rec.radio.amateur.packet? Cause I don't seem to be receiving it any
|> more. Please let me know.

Yes, rec.radio.amateur.packet was obsoleted. The new, replacment
group at the moment is rec.radio.digital.misc. In not too many months,
there will be a vote to create a few more groups in the digital hierarchy,
notably rec.radio.amateur.digital.packet and rec.radio.amateur.digital.tcpip.
For the moment, however, all discussion of digital stuff is in
rec.radio.amateur.digital.misc.

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=====
Kenneth E. Harker          BNR          "Any opinions expressed
kharker@bnr.ca            Richardson, Texas, USA    are solely mine and do
N1PVB                     (214) 684-5115    not represent BNR"
=====
```

Date: 24 Nov 93 05:27:37 -0600
From: elroy.jpl.nasa.gov!swrinde!gatech!news-feed-2.peachnet.edu!umn.edu!
msus1.msus.edu!vax1.mankato.msus.edu!dj1@decwrl.dec.com
Subject: Those triangles on the AM dial.....
To: info-hams@ucsd.edu

>From: tobin@yellow.mmm.com (Steve Tobin)
>Subject:Re: CONELRAD-what was it?
>Date: Tue, 23 Nov 93 17:38:06 GMT
>Message-ID:<tobin.754076181@mmm.com>

>ab510@Freenet.carleton.ca (George W. Attallah) writes:
>
>
>>I have an early 50s bc reciever with triangular symbols at 640 and 1240 khz.
>>I have been told that these were for CONELRAD. Are there any old timers
>>out there who can fill me in on this? TNX.
>

>>--

>>GEORGE ATTALLAH-"THE LAST SURVIVOR OF THE GROUP OF ONE"

>

>All of a sudden I feel very old....

>

Hello,

I am rather on the young side (23) but from working in radio this is what I got. The Triangles are from the CIVIL DEFENSE and according to the Civil Defense paperwork that I read after all of the stations would receive the 2 tone EBS alert and hook up to the system the president or governor would give an announcement and then all stations (AM) were to go off the air EXCEPT for those having a frequency assignment of 1240 and 640 khz. The signs were placed on radios so that everybody would know where to tune if all other stations couldn't be received. That AM station south of us was 1240 and they had the luxury of constantly receiving backup transmitters (3!) and generators that could run off of diesel or natural gas or..... (you get the picture). Just a efficient network that was left over from the cold war and bomb shelters.

Sean Stepanek (not an O.F. yet!)

DJ1@VAX1.MANKATO.MSUS.EDU
NOPBA@NOPBA.MN.USA.NA

Date: Tue, 23 Nov 1993 14:36:13 GMT

From: ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!cs.utexas.edu!utnut!
torn!news.ccs.queensu.ca!venus!pas@network.ucsd.edu

Subject: Use of HT for Marine & GMRS

To: info-hams@ucsd.edu

In article <22NOV199322034774@erich.triumf.ca>, bennett@erich.triumf.ca
(P.Bennett) writes:

|> In article <93326.174137MGB@SLACVM.SLAC.STANFORD.EDU>,
<MGB@SLACVM.SLAC.STANFORD.EDU> writes...

|> >I have seen various discussions about using the out of band frequencies

|> >on a Amateur band tranceiver for Marine, GMRS or other services.

|> In Canada, and also in the US according to previous discussion on this topic,

BTW: I believe the DOC has been renamed to
ISC (Industry Science Canada)

trivial, I know.

Peter

Peter A. Stokes _____ Voice & Voice mail: (613) 545-2923
Engineering Applications Support _____ FAX: (613) 548-8104

Canadian Microelectronics Corporation _____ Net: pas@jupiter.ic.cmc.ca
Kingston, Ontario, CANADA _____ Radio: VE3ZXT

Date: Tue, 23 Nov 1993 19:41:46 GMT
From: concert!news-feed-1.peachnet.edu!news-feed-2.peachnet.edu!darwin.sura.net!
gatekeeper.es.dupont.com!esds01.es.dupont.com!
COLLINST%esvx19.es.dupont.com@decwrl.dec.com
To: info-hams@ucsd.edu

References <CGMqAI.2J0@news.Hawaii.Edu>, <1993Nov18.135508.3660@ke4zv.atl.ga.us>,
<1993Nov19.003753.27665@es.dupont.com>, <1993Nov23.110449.29254@ke4zv.atl.ga.us>
Reply-To : collinst@esvx19.es.dupont.com
Subject : Re: Miss Manners in the Novice Sub-bands?

In article <1993Nov23.110449.29254@ke4zv.atl.ga.us>, gary@ke4zv.atl.ga.us (Gary
Coffman) writes:
>In article <1993Nov19.003753.27665@es.dupont.com> collinst@esvx19.es.dupont.com
writes:
>>
>>Webster's New Collegiate Dictionary
>>
>>language - b (2): a systematic means of communicating ideas or feelings
>> by the use of conventionalized signs, sounds, gestures,
>> or marks having understood meanings.
>>
>>By the above Morse Code fills the bill as well as Sign Language.
>
>Well let's see what my Thorndike and Barnhart has to say about the
>matter.
>
>language n. 1 human speech, spoken or written
> 2 the speech used by one nation, tribe, or large group of
> people
> 3 a form, style, or kind of language; manner of expression:
> bad or strong language
> 4 wording or words
> 5 the special terms used in a science, art, or profession:
> computer language
>
>Following is clarifying discussion re language, dialect, and idiom
>appended to the definition of language.
>
>"Language applies to the body of words, forms, and patterns of sounds
>and structure making up the speech of a people, nation, or group of
>people. Dialect applies to a form of speech peculiar to one locality
>or district of the geographical territory of a language. Idiom applies

>to a particular language's characteristic manner of using words in
>phrases and sentences."

>

>So we see that Morse is merely an encoding of alphabet, not a
>language composed of words and structure capable of expressing
>ideas. There's a footnote near the chart of Morse encodings noting
>it's an obsolete form primarily used by telegraphers prior to modern
>times.

>

>Gary

Well, I guess our definitions aren't too much different
since yours also refers to "...words, forms, and patterns
of sounds..." hmmm sort of could fit the bill also
for CW (excuse me, you don't like that, Morse Code.)

I don't know what your experience with CW has been,
but I image a negative one from all your anti-Morse-Code
postings.

No matter what you, I or anyone else thinks....the CW
requirement is with us by International Treaty, and
I don't think any of us will be around if they decide
to drop it. (And no, I'm not an OF by any means, I'm
not even close to the ARRL "average" age yet.).

The FCC has made a place for Code/No-Code Amateurs alike.
Since most of the posts I have read about "No Coders"
being the Future of Ham radio, and will advance Amateur
Radio more than the Amateurs of the past, they have
6 meters on up to do it with. For the CW bunch we have
our HF frequencies to ragchew with each other in our
"out moded, dying, antique (did I leave any out)"
Morse Code. And, if we pass a bit of traffic, help
out with the occassional SOS, H&W Traffic, CW training,
etc. etc. for others.....we won't let that get in
anyones way.

You, Gary want code to go away or I believe give away
the little HF we have to turn it into 11 meters. I
don't think you'll be seeing it too soon.....

73, Tom WI3P collinst@esvax.dnet.dupont.com or collinst@world.std.com

"Shutup and sit down you moron!"...Ben Stern

*** MY EMPLOYER DOESN'T SPEAK FOR ME NOR I FOR THEM ***

End of Info-Hams Digest V93 #1384
